

Substitute Form PTO-1449 (Modified) <b>DEC 23 2002</b> <b>Information Disclosure Statement</b> <b>by Applicant</b> (Use Separate Sheets if necessary) (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 12406-022US1	Application No. 10/089,017
	Applicant Ralph Wirth, et al.		
	Filing Date March 25, 2002	Group Art Unit 2813	

**U.S. Patent Documents**

Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
<i>QMD</i>	AA	5,008,718	04/16/1991	Fletcher et al.	357	17	
<i>QMD</i>	AB	5,233,204	08/03/1993	Fletcher et al.	257	13	
<i>QMD</i>	AC	5,744,828	04/28/1998	Nozaki et al.	257	94	
<i>QMD</i>	AD	5,779,924	07/14/1998	Krames et al.	216	24	
	AE						
	AF						
	AG						
	AH						

**Foreign Patent Documents or Published Foreign Patent Applications**

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
<i>QMD</i>	AI	0405757 A2	01/02/1992	Europe	33	00		
<i>QMD</i>	AJ	0544512 A1	11/25/1992	Europe	33	00		
<i>QMD</i>	AK	19709228 A1	09/25/1997	Germany	33	00		
<i>QMD</i>	AL	4218806 A1	12/09/1993	Germany	33	00		
<i>QMD</i>	AM	7-162037	06/23/1995	Japan	33	00		
<i>QMD</i>	AN	61006880 A	01/13/1986	Japan (Abstract)	33	00		
	AO							

**Other Documents (include Author, Title, Date, and Place of Publication)**

Examiner Initial	Desig. ID	Document
<i>QMD</i>	AP	Cuevas, A. et al: "26-Percent Efficient Point-Junction Concentrator Solar Cells with a Front Metal Grid", IEEE Electron Device Letters 11 (1), January 1990, p. 6-8.
	AQ	
	AR	
	AS	

Examiner Signature

*Quinn M. [Signature]*

Date Considered

4/25/03

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.